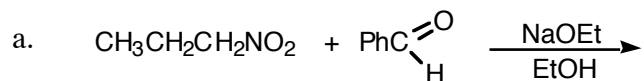
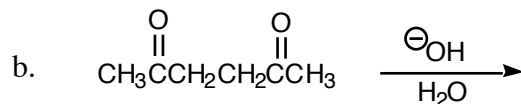
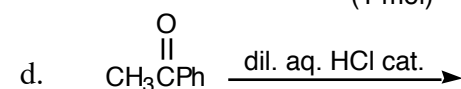
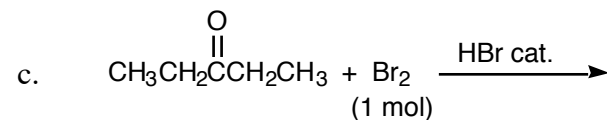


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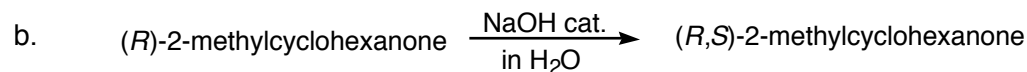
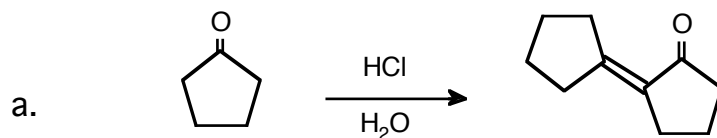
Chem 227/ Dr. Rusay

Aldehyde and Ketone Enol/Enolate Chemistry

1. Provide products for the following reactions.

 $\text{C}_{10}\text{H}_{13}\text{NO}_3$  $\text{C}_6\text{H}_8\text{O}$  $\text{C}_{16}\text{H}_{14}\text{O}$

2. Give a reasonable mechanism for each of the following reactions, clearly showing all important intermediates and resonance structures and using curved arrows to show movement of electron pairs.



3. On a separate sheet, show how to carry out the following chemical conversions using any necessary organic and inorganic reagents. More than one synthetic step may be required for a synthetic transformation. Attach the sheet and turn in worksheet.

